

## WEST

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Mar 13, 1986

DERWENT-ACC-NO: 1986-109261

DERWENT-WEEK: 198617

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**TITLE:** Vinyl! polymer prodn. by suspension or emulsion polymerisation - in smooth surfaced reactor vessel coated with aromatic cpd. and at least one inorganic cpd. e.g. silicate

**PATENT-ASSIGNEE:** SHINETSU CHEM IND CO LTD (SHIE)**PRIORITY-DATA:** 1984JP-0171046 (August 17, 1984), 1984JP-0171045 (August 17, 1984)**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 61051002 A	March 13, 1986		047	
JP 91070723 B	November 8, 1991		000	
PT 80975 A	May 15, 1986		000	
US 4758639 A	July 19, 1988		000	

**APPLICATION-DATA:**

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 91070723B	August 17, 1984	1984JP-0171046	
US 4758639A	September 3, 1987	1987US-0094020	

**INT-CL (IPC):** C08F 2/00; C08F 14/06**ABSTRACTED-PUB-NO:** JP 61051002A**BASIC-ABSTRACT:**

Prodn. by suspension- or emulsion-polymerising at least one of vinyl monomer in aq. medium comprises regulating unevenness of inner surface (inner wall of polymerisation vessel and other equipments) to be contacted with the monomer to 5 micron or less and coating (A) aromatic cpd. and/or heterocyclic cpd. having at least 5 conjugated pi bonds or coating the component (A) and (B) at least one of inorganic cpd. on the inner surface.

**Unevenness:** Rmax (max. ht.) by JIS B 0601

The component (A) is benzene derivs., naphthalene derivs., polynuclear aromatic cpd., quinones, non-benzene aromatic cpd., O-, N- or S-contg. heterocyclic cpd. or alkaloid and the component (B) used pref. is silicate, silicic acid colloid or Fe(OH)3 colloid.

**USE/ADVANTAGE** - Prevents adherence of polymer scale.**ABSTRACTED-PUB-NO:** US 4758639A**EQUIVALENT-ABSTRACTS:**

Prepn. of a vinyl polymer (I) comprises suspension or emulsion polymerisation of at least one vinyl monomer in aq. soln. The polymeriser vessel (and any auxiliary

equipment which comes into contact with the monomer soln.) has a surface roughness not more than 1 micro-metre, and is coated with a dye or pigment-contg. scale preventive coating.

USE/ADVANTAGE - (I) is esp. vinyl chloride; the process gives improved scale prevention. (38pp)

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A14 E13 E14 E37

CPI-CODES: A08-S08; A10-B03; A10-B05; E07-H; E08-D02; E10-A06; E10-J02A; E10-J02B4; E31-P03; E31-P05; E35-U03;